



2707  
RCE/S  
PATENT  
3

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 3, 2004

Denise Sheridan

Date

Denise Sheridan

Denise Sheridan

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 09/642,546

Confirmation No. : 7867

Applicants : Brent Keeth et al.

Attorney Docket No. : 500644.01

Filed : August 17, 2000

Customer No. : 27,076

Art Unit : 2188

Examiner : Reginald G. Bragdon

Title : METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY  
AS CACHE MEMORY

**REQUEST FOR CONTINUED EXAMINATION (RCE)**  
**UNDER 37 C.F.R. § 1.114**

**RECEIVED**

MAR 17 2004

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Technology Center 2100

Sir:

Applicant requests continued examination, under 37 C.F.R. § 1.114, of the above-identified application.

**1. Submission Required Under 37 C.F.R. § 1.114**

- a.  Submission previously submitted
  - i.  Consider the amendment/reply under 37 C.F.R. § 1.116 previously filed on \_\_\_\_\_.
  - ii.  Consider the arguments in the Appeal Brief or Reply Brief previously filed on \_\_\_\_\_.
  - iii.  Consider the Information Disclosure Statement (IDS) previously filed on \_\_\_\_\_.



b.  Submission enclosed

- i.  Amendment/Reply
- ii.  Affidavit(s)/Declaration(s)
- iii.  Supplemental Information Disclosure Statement (Supp. IDS)

**2. Suspension of Action** (Period of suspension shall not exceed 3 months; fee under 37 C.F.R. § 1.17(i) required)

Suspension of action on the above-identified application is requested under 37 C.F.R. § 1.103(c) for a period of    months.

**3. Accompanying Papers**

- Postcard
- Check
- Fee Transmittal Sheet

**RECEIVED**

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**4. Deposit Account**

The Commissioner is authorized to charge any additional fees required or credit any overpayment to Deposit Account No. 50-1266.

Respectfully submitted,

Brent Keeth et al.

Date:

March 9, 2004

By:

  
Edward W. Bulchis  
Reg. No. 26,847  
Customer No. 27,076  
Dorsey & Whitney LLP  
1420 Fifth Avenue, Suite 3400  
Seattle, WA 98101  
(206) 903-8785  
Attorney for Applicants



TRANSMITTAL SHEET  
(FOR FY 2004)

Complete if Known

Application No. 09/642,546

Filing Date August 17, 2000

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First Named Inventor Brent Keeth et al.

MAR 17 2004

Group Art Unit 2188

Examiner Reginald G. Bragdon

Technology Center 2100

Atty. Docket Number 500644.01

METHOD OF PAYMENT (Check One)

1.  The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

2.  Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1001	770	2001	385	<input type="checkbox"/>	Utility Filing Fee	
1002	340	2002	170	<input type="checkbox"/>	Design Filing Fee	
1003	530	2003	265	<input type="checkbox"/>	Plant Filing Fee	
1004	770	2004	385	<input type="checkbox"/>	Reissue Filing Fee	
1005	160	2005	80	<input type="checkbox"/>	Provisional Filing Fee	
<b>Subtotal (1)</b>				<b>\$0</b>		

2. EXTRA CLAIM FEES

Current Claims	Prior	Extra	Fee	Fee Paid
Total	- 20	=	x \$	= \$
Ind.	- 3	=	x \$	= \$
Multiple Dependent Claims		x \$	= \$	
				<b>Subtotal (2)</b>
				<b>\$0</b>

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent Claim
1204	86	2204	43	Reissue independent claims over original patent
1205	18	2205	9	Reissue claims in excess of 20 and over original patent

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee paid
		1051	130	2051	65 Surcharge - Late filing fee or oath
		1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet
		1053	130	1053	130 Non-English specification
		1812	2,520	1812	2,520 For Filing a Request for ex parte Reexamination
		1804	920	1804	920 Requesting publication of SIR prior to Examiner action
		1805	1,840	1805	1,840 Requesting publication of SIR after Examiner action
		1251	110	2251	55 Extension for reply within first month
		1252	420	2252	210 Extension for reply within 2 <sup>nd</sup> month
		1253	950	2253	475 Extension for reply within 3 <sup>rd</sup> month
		1254	1,480	2254	740 Extension for reply within 4 <sup>th</sup> month
		1255	2,010	2255	1,005 Extension for reply within 5 <sup>th</sup> month
		1401	330	2401	165 Notice of Appeal
		1402	330	2402	165 Filing a brief in support of an appeal
		1403	290	2403	145 Request for oral hearing
		1814	110	2814	55 Terminal Disclaimer Fee
		1452	110	2452	55 Petition to revive – unavoidable
		1453	1,330	2453	665 Petition to revive – unintentional
		1501	1,330	2501	665 Utility/Reissue issue fee
		1502	480	2502	240 Design issue fee
		1503	640	2503	320 Plant issue fee
		1460	130	1460	130 Petitions to the Commissioner
		1807	50	1807	50 Processing fee under 37 CFR 1.17(q)
		1806	180	1806	180 Submission of IDS
		8021	40	8021	40 Recording each patent assignment per property (times number of properties)
		1801	770	2801	385 Request for Continued Examination (RCE) \$770
Other fee (specify)					
<b>Subtotal (3)</b>				<b>\$770</b>	

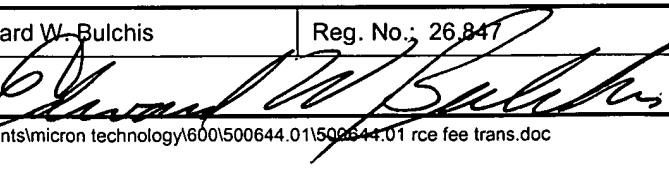
Total Amount of Payment: \$770

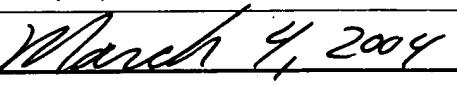
Submitted by:

Name: Edward W. Bulchis

Reg. No.: 26,847

Telephone: (206) 903-8800

Signature: 

Date: 



MAR 15 2004

**TRANSMITTAL SHEET  
(FOR FY 2004)**

*Complete if Known*

Application No.	09/642,546
Filing Date	August 17, 2000
First Named Inventor	Brent Keeth et al.
Group Art Unit	2188
Examiner	Reginald G. Bragdon
Atty. Docket Number	500644.01

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Technology Center 2100

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Multiple Dependent Claims			x \$ = \$	
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1801	2801	770	385	Request for Continued Examination (RCE)	\$770
<b>Other fee (specify)</b>					
<b>Subtotal (3)</b>					

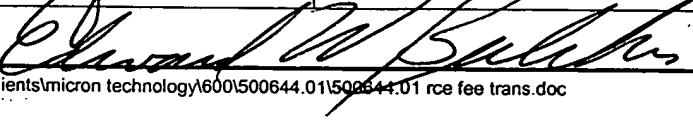
**Total Amount of Payment:** **\$770**

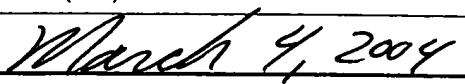
Submitted by:

Name: Edward W. Bulchis

Reg. No.: 26,847

Telephone: (206) 903-8800

Signature: 

Date: 



PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 3, 2004

*Denise Sheridan*  
Denise Sheridan

Date

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Applicants : Brent Keeth et al.

Attorney Docket No.: 500644.01

Filed : August 17, 2000

Customer No. : 27,076

Art Unit : 2188

Examiner : Reginald G. Bragdon

Title : METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY  
AS CACHE MEMORY

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

**RECEIVED**

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

MAR 17 2004

Technology Center 2100

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references, as required under 37 C.F.R. § 1.98, are enclosed). Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Supplemental Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

DORSEY & WHITNEY LLP



Edward W. Bulchis  
Registration No. 26,847

EWB:dms

Enclosures:

Postcard  
Form PTO-1449  
Cited References (47)

1420 Fifth Avenue, Suite 3400  
Seattle, WA 98101  
Telephone (206) 903-8800  
Facsimile (206) 903-8820

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FORM PTO-1449  
(REV.7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
500644.01APPLICATION NO.  
09/642,546O P  
INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

MAR 15 2004

APPLICANT(S)  
Brent Keeth et al.FILING DATE  
August 17, 2000GROUP ART UNIT  
2188

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,287,481	02/15/94	Lin	395	425	
AB	5,421,000	05/30/95	Fortino et al.	395	425	
AC	5,471,601	11/28/95	Gonzales	395	403	
AD	5,509,132	04/16/96	Matsuda et al.	395	403	
AE	5,577,223	11/19/96	Tanoi et al.	395	445	
AF	5,677,878	10/14/97	Shirley et al.	365	189.11	
AG	5,699,317	12/19/97	Sartore et al.	365	230.06	
AH	5,721,862	02/24/98	Sartore et al.	395	445	
AI	5,777,942	07/07/98	Dosaka et al.	365	230.03	
AJ	5,787,457	07/28/98	Miller et al.	711	105	
AK	5,829,026	10/27/98	Leung et al.	711	122	
AL	5,829,036	10/27/98	Klein	711	141	MAR 17 2004
AM	5,831,924	11/03/98	Nitta et al.	365	230.03	Technology Center 2100
AN	5,835,401	11/10/98	Green et al.	365	149	
AO	5,875,451	02/23/99	Joseph	711	105	
AP	5,875,452	02/23/99	Katayama et al.	711	105	
AQ	5,943,681	08/24/99	Ooishi	711	105	
AR	6,061,759	05/09/00	Guo	711	105	
AS	6,088,760	07/11/00	Walker et al.	711	104	
AT	6,128,700	10/03/00	Hsu et al.	711	122	
AU	6,131,140	10/10/00	Rodgers et al.	711	104	
AV	6,151,269	11/21/00	Dosaka et al.	365	233	
AW	6,151,664	11/21/00	Borkenhagen et al.	711	150	
AX	6,170,036 B1	01/02/01	Konishi et al.	711	104	

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-1449 (REV.7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 500644.01	APPLICATION NO. 09/642,546
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT(S) Brent Keeth et al.			
		FILING DATE August 17, 2000	GROUP ART UNIT 2188		

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AY	6,172,893 B1	01/09/01	Ryan	365	49	
AZ	6,173,356 B1	01/09/01	Rao	711	5	
BA	6,178,133 B1	01/23/01	Manning	365	230.03	
BB	6,189,073 B1	02/13/01	Pawlowski	711	120	
BC	6,215,497 B1	04/10/01	Leung	345	419	
BD	6,226,755 B1	05/01/01	Reeves	713	400	
BE	6,256,707 B1	07/03/01	Ooishi	711	118	
BF	6,289,413 B1	09/11/01	Rogers et al.	711	105	
BG	6,339,817 B1	01/15/02	Maesako et al.	711	165	
BH	6,347,063 B1	02/12/02	Dosaka et al.	365	233	
BI	6,360,292 B1	03/19/02	Manning	711	5	RECEIVED MAR 17 2004
BJ	6,415,353 B1	07/02/02	Leung	711	106	MAR 17 2004
BK	6,438,016 B1	08/20/02	Keeth et al.	365	69	Technology Center 2100
BL	6,445,636 B1	09/03/02	Keeth et al.	365	222	
BM	6,466,507 B2	10/15/02	Ryan	365	230.01	
BN	6,477,073 B1	11/05/02	Keeth et al.	365	51	
BO	6,477,631 B1	11/05/02	Martin et al.	711	167	
BP	6,563,758 B2	05/13/03	Shau	365	230.05	
BQ	6,564,284 B2	05/13/03	Christenson	711	5	
BR	6,587,918 B1	07/01/03	Christenson	711	106	
BS	6,601,141 B2	07/29/03	Ooishi	711	117	
BT	6,629,188 B1	09/30/03	Minkin et al.	711	3	
BU	6,697,909 B1	02/24/04	Wang et al.	711	106	

EXAMINER	DATE CONSIDERED

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